

Bubbly Creek Turning Basin
December 13, 2007

EPA Region 5 Records Ctr.



298310

Sampling Activity Summary:

- USACE/CDM, Bubbly Creek Sediment Sampling, December 2003 – Chemical sampling throughout creek for disposal parameters. For turning basin sample:
 - Sum of all PAHs ~ 180 mg/kg
 - Reactive Sulfide: 5,200 mg/kg
- MWRD, Sediment Chemistry, October 31, 2005 – 4 sampling locations, water and sediment chemistry. PAHs were the most significant sediment impacts:
 - Sum of all PAHs range from ~ 62 mg/kg to 93 mg/kg
- UIC, Sediment Sampling Data, October and November 2005 – Multiple sampling locations for geotechnical, geochemical, physical and chemical parameters. Primary constituents were PAHs:
 - Sum of all PAHs range from ~ 13 mg/kg to 3,200 mg/kg
- DOE/Patrick Engineering – Physical and geotechnical analysis of sediments and underlying clay. PAHs and metals primary constituents of concern:
 - Sum of all PAHs range from ~ 3 mg/kg to 60 mg/kg
 - Lead concentrations range from 340 to 1,500 mg/kg
 - Cyanide concentrations range from ND to 2.4 mg/kg

Other detected compounds include VOCs, PCBs, and pesticides.

USACE

Creek FS

Ecosystem

Hope to get to
30%

How to Document Success

Turning Basin owned by Govt

Gap in Funding – Only Design Available

EST. 3.5 million monitoring + construction – Prelim estimate
Looking to Reduce.

SRP Program might
not be option because
of Sulfide.
would need Risk Assessment

Bubbly Creek/Superfund Alternative Sites

December 13, 2007 – 9:00 AM

Copy H. Magnus ~~Office~~

Agenda

1. Bubbly Creek Turning Basin Project Team
2. Data Sampling and Results
3. Preliminary Conceptual Design
4. SAS Program Update
5. Opportunities

